



Lake Restoration in Iowa

Partnerships Equal Success



Iowa Use and Economic Benefits

- Six of ten Iowans visit lakes each year
- They average over eight visits per year
- Statewide our lakes generate \$1.6 billion in annual spending by Iowans





Program Focused on Iowa's Significant, Publicly-owned lakes

- **Multi-use, public, recreational resources**
- **Lake and watershed assessment and restoration plan**
- **Watershed controls established before lake restoration begins**





Iowa's 134 Significant Public Lakes

- **Constructed (90)** **67%**
- **Natural (25)** **19%**
- **Surface Mines (9)** **7%**
- **Oxbows (6)** **4%**
- **COE Reservoirs (4)** **3%**

Prioritization for Restoration



Water Quality

-
- Nutrients
 - Plankton
 - Water Clarity

Benefit to Public

-
- Potential Public Use
 - Socio-economic Value

Restoration Potential

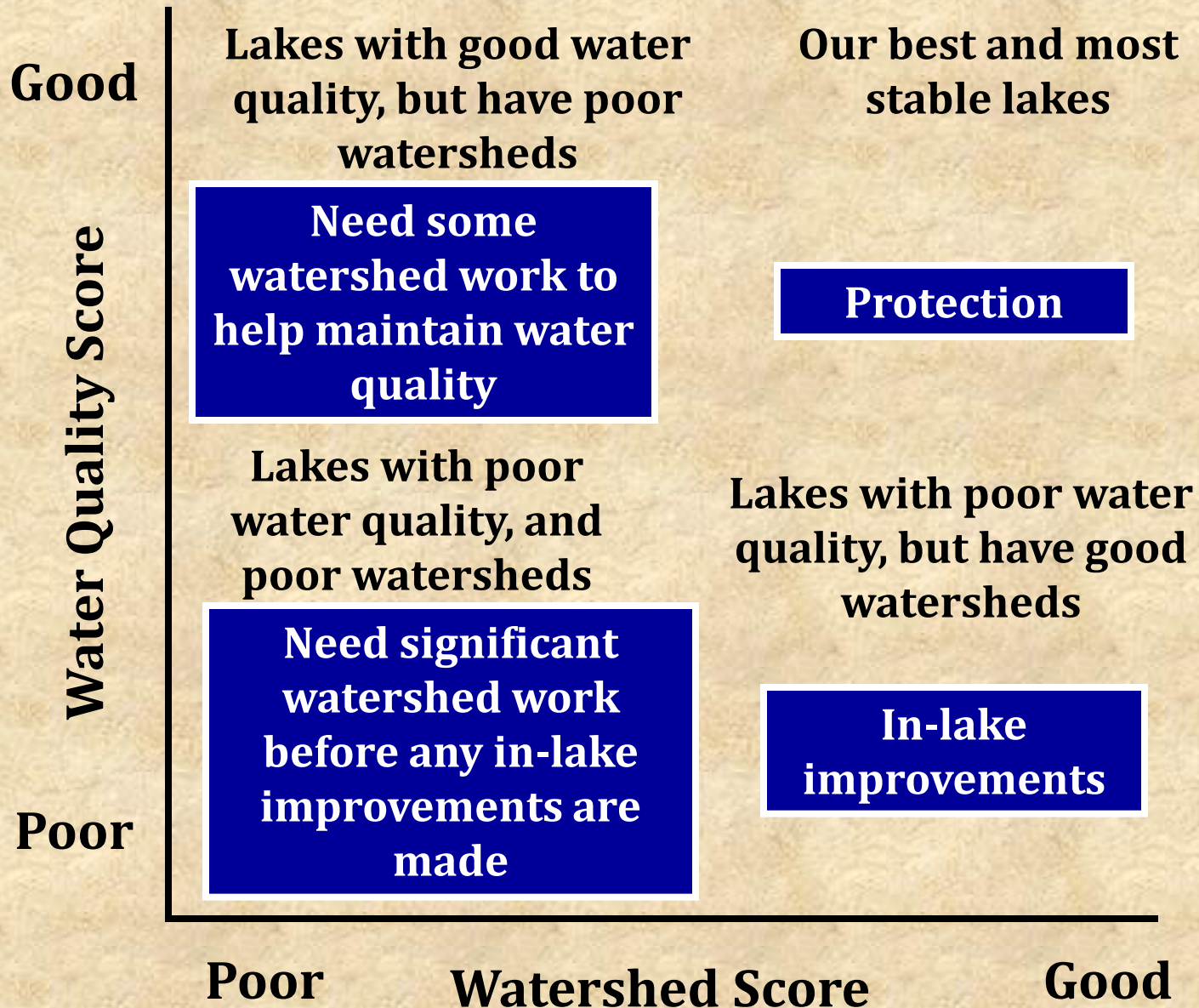
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- Morphometry
 - Restoration Effectiveness
 - Fisheries Potential
 - Attainment of Designated Use

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Watershed
Hydrology



Water Quality / Watershed Hydrology





Many of our Iowa Lakes are Impaired

**3 most common impairments
for Iowa lakes:**

- algae
- turbidity
- bacteria



Targeting Iowa's Leading Water Pollutants

, **Nutrients**



Soil

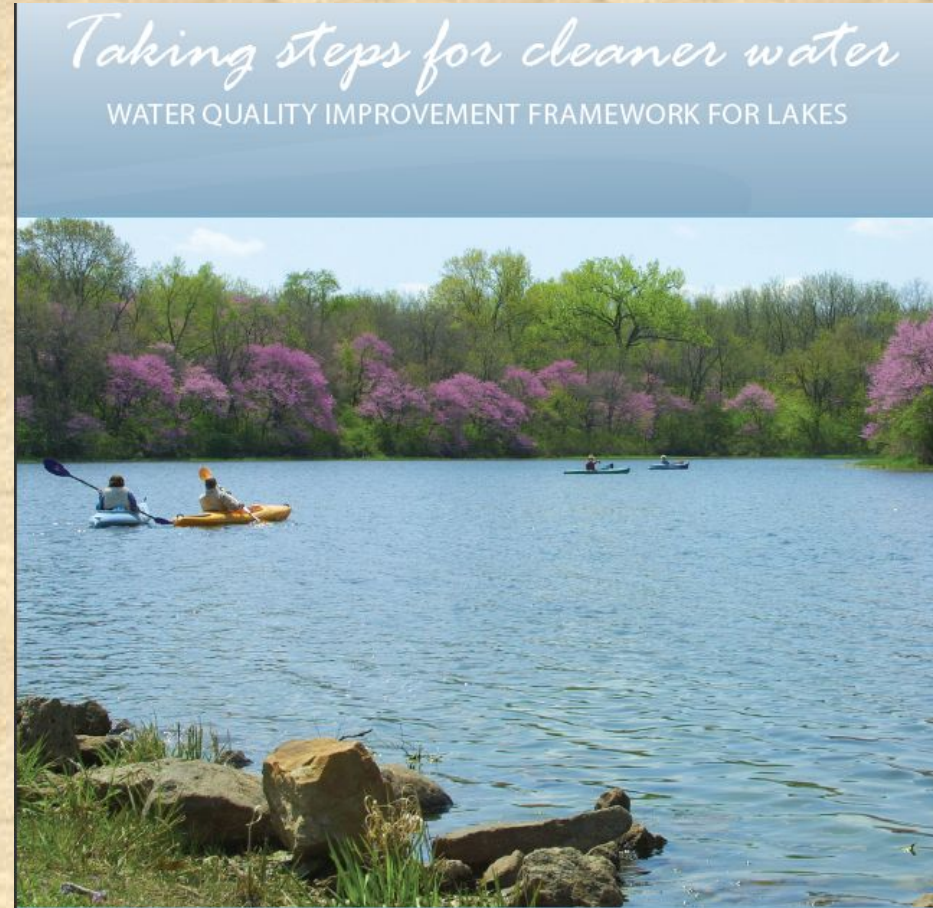
Lake Restoration Goals

- Water Clarity
 - 4.5 ft. achieved 50% of time April-September
- Beaches meet recreational use standards
- Sustainable, healthy lake system
- Remove lake from impaired waters list



Community Based Planning

- Locally led process - involves social, economic, and environmental concerns
- Local stakeholders group
- Technical advisory team



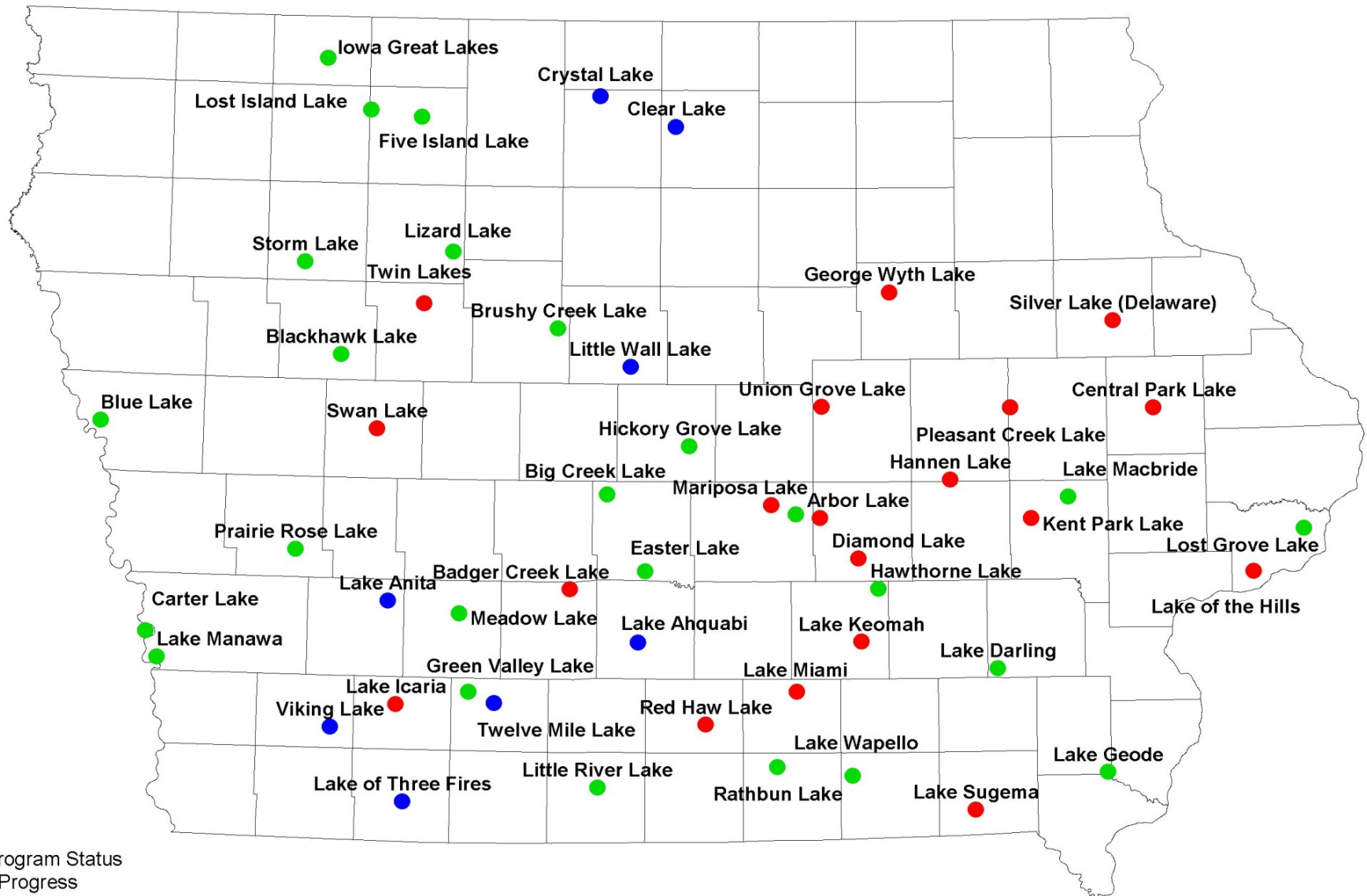
Storm Lake (Buena Vista County)

“Lake restoration work for Storm Lake and its watershed has been the inspiration for the community to come together and chart its destiny into the future.”

Jon Kruse, Mayor of Storm Lake



IDNR Lakes Restoration Program



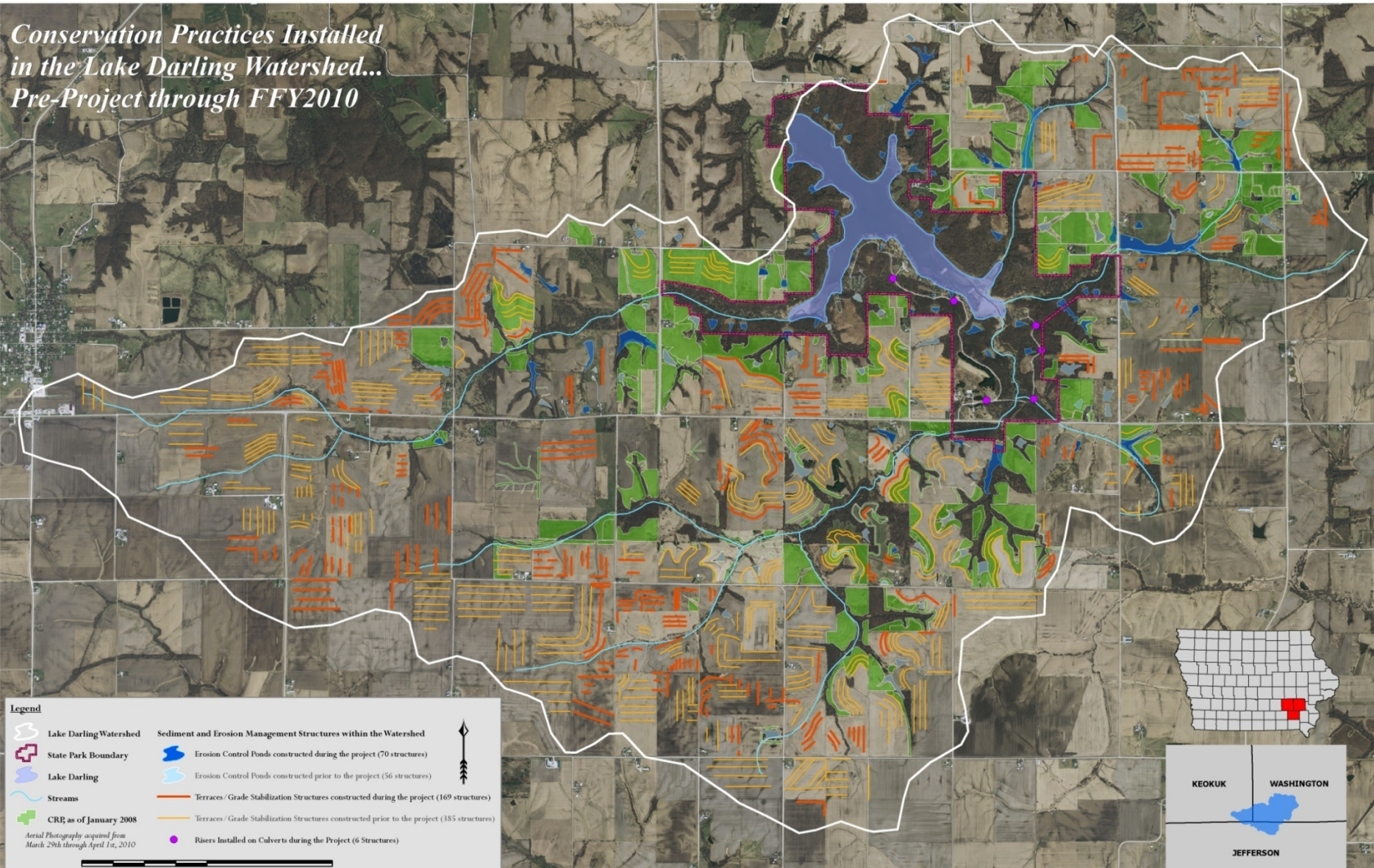
Lakes Program Status

- In Progress
- Maintenance
- Planning

County Boundaries

Watershed Improvement – Lake Darling (Washington)

*Conservation Practices Installed
in the Lake Darling Watershed...
Pre-Project through FFY2010*





It takes a partnership to improve water quality Black Hawk Lake (Sac Co.)

- Over 25 groups concerned with Black Hawk Lake have put together a plan for lake restoration



For more information...

www.iowadnr.gov/water/lakerestoration/



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